

Index of Authors

VOLUME 79 (1991)

(Abstracts from Society Proceedings are not included)

- Aarli, J.A., see Todnem, K. (79) 322
- Abraham-Fuchs, K., see Stefan, H. (79) 1
- Achim, A., Richer, F. and Saint-Hilaire, J.-M.
Methodological considerations for the evaluation of spatio-temporal source models (79) 227
- Alagarsamy, S., see Rogers, R.L. (79) 308
- Amir, A., see Biggins, C.A. (79) 413
- Arthuis, M., see Esquivel, E. (79) 127
- Asarnow, R.F., see Strandburg, R.J. (79) 291
- Backonja, M., Howland, E.W., Wang, J., Smith, J., Salinsky, M. and Cleeland, C.S.
Tonic changes in alpha power during immersion of the hand in cold water (79) 192
- Ball, W.A., Sanford, L.D., Morrison, A.R., Ross, R.J., Hunt, W.H. and Mann, G.L.
The effects of changing state on elicited ponto-geniculo-occipital (PGO) waves (79) 420
- Barbour, P.J., see Rae-Grant, A.D. (79) 349
- Barth, D.S., see Baumgartner, C. (79) 27
- Barthuel, P., see Rektor, I. (79) 148
- Bartoszek, D., see Jabbari, B. (79) 108
- Bauer, J., see Stefan, H. (79) 1
- Baumann, S.B., see Rogers, R.L. (79) 308
- Baumgartner, C., Sutherling, W.W., Di, S. and Barth, D.S.
Spatiotemporal modeling of cerebral evoked magnetic fields to median nerve stimulation (79) 27
- Berg, P. and Scherg, M.
Dipole models of eye movements and blinks (79) 36
- Bertram, E.H. and Lothman, E.W.
Ambulatory EEG cassette recorders for prolonged electroencephalographic monitoring in animals (79) 510
- Beydoun, A., Yen, C.E. and Drury, I.
Variance of interburst intervals in burst suppression (79) 435
- Biggins, C.A., Fein, G., Raz, J. and Amir, A.
Artifactualy high coherences result from using spherical spline computation of scalp current density (79) 413
- Blume, H.W., see Ives, J.R. (79) 69
- Blume, H.W., see Mainwaring, N.R. (79) 73
- Bourbon, T.W., see Rogers, R.L. (79) 308
- Brown, W.S., see Strandburg, R.J. (79) 291
- Byring, R.F., Salmi, T.K., Sainio, K.O. and Örn, H.P.
EEG in children with spelling disabilities (79) 247
- Canoune, H., see Ruchkin, D.S. (79) 473
- Chaussain, M., see Esquivel, E. (79) 127
- Chu, N.-S., Wu, C.-L., Tseng, T.-S. and Kuo, L.-L.
Sphenoidal EEG recording using acupuncture needle electrode in complex partial seizure (79) 119
- Chung, H.J. and Clancy, R.R.
Significance of positive temporal sharp waves in the neonatal electroencephalogram (79) 256
- Citrin, C., see Jabbari, B. (79) 108
- Clancy, R.R., see Chung, H.J. (79) 256
- Cleeland, C.S., see Backonja, M. (79) 192
- Coenen, A.M.L., see Van Luijtelaar, E.L.J.M. (79) 430
- Cosgrove, G.R., see Ives, J.R. (79) 69
- Cosgrove, G.R., see Mainwaring, N.R. (79) 73
- Darcey, T.M. and Jasiorkowski, J.G.
Two inexpensive electronic circuits for analog display of multi-channel EEG signals (79) 506
- Defazio, G., see Sforza, E. (79) 166
- Di, S., see Baumgartner, C. (79) 27
- Drury, I., see Beydoun, A. (79) 435
- Eisenberg, H.M., see Rogers, R.L. (79) 308
- Esquivel, E., Chaussain, M., Plouin, P., Ponsot, G. and Arthuis, M.
Physical exercise and voluntary hyperventilation in childhood absence epilepsy (79) 127
- Etlinger, S.C., see Kropotov, J.D. (79) 45
- Evdokimidis, I., Liakopoulos, D. and Papageorgiou, C.
Cortical potentials preceding centrifugal and centripetal self-paced horizontal saccades (79) 503
- Fein, G., see Biggins, C.A. (79) 413
- Feistel, H., see Stefan, H. (79) 1
- Fisch, B.J., see Sande Lemos, M. (79) 361
- Flanigin, H.F., see Murro, A.M. (79) 330
- Friedman, B.H. and Thayer, J.F.
Facial muscle activity and EEG recordings: redundancy analysis (79) 358
- Gallagher, B.B., see Murro, A.M. (79) 330
- Gotman, J. and Wang, L.Y.
State-dependent spike detection: concepts and preliminary results (79) 11
- Grand'Maison, F., Reiher, J. and Leduc, C.P.
Retrospective inventory of EEG abnormalities in partial status epilepticus (79) 264
- Gresser, J., see Soufflet, L. (79) 393
- Gruber, L.J., see Ives, J.R. (79) 69
- Gunderson, C.H., see Jabbari, B. (79) 108
- Guthrie, D., see Strandburg, R.J. (79) 291
- Hämäläinen, M.S., see Rif, J. (79) 464
- Hari, R., see Rif, J. (79) 464
- Hauspie, R., see Linkowski, P. (79) 114
- Helkala, E.-L., see Soininen, H. (79) 342
- Higa, J., see Strandburg, R.J. (79) 291
- Hillyard, S.A., see Woldorff, M.G. (79) 170
- Hirano, M., see Inouye, T. (79) 204
- Hobson, J.A., see Mamelak, A.N. (79) 52
- Holmgren, B., see Prieto, G.J. (79) 141
- Holthoff, V., see Stefan, H. (79) 1
- Horne, J.A. and Shackell, B.S.
Alpha-like EEG activity in non-REM sleep and the fibromyalgia (fibrosis) syndrome (79) 271
- Howland, E.W., see Backonja, M. (79) 192
- Huk, W.J., see Stefan, H. (79) 1
- Hunt, W.H., see Ball, W.A. (79) 420

- Inouye, T., Shinosaki, K., Sakamoto, H., Toi, S., Ukai, S., Iyama, A., Katsuda, Y. and Hirano, M.
Quantification of EEG irregularity by use of the entropy of the power spectrum (79) 204
- Ives, J.R., Mainwaring, N.R., Gruber, L.J., Cosgrove, G.R., Blume, H.W. and Schomer, D.L.
128-Channel cable-telemetry EEG recording system for long-term invasive monitoring (79) 69
- Ives, J.R., see Mainwaring, N.R. (79) 73
- Iwakawa, Y., see Kohyama, J. (79) 277
- Iyama, A., see Inouye, T. (79) 204
- Jabbari, B., Van Nostrand, D., Gunderson, C.H., Bartoszek, D., Mitchell, M.H., Lombardo, M., Citrin, C. and Sherman, J.
EEG and neuroimaging localization in partial epilepsy (79) 108
- Jackson, W.J., see Ray, P.G. (79) 62
- Jasiorkowski, J.G., see Darcey, T.M. (79) 506
- Johnson, Jr., R., see Ruchkin, D.S. (79) 473
- Kambestad, B.K., see Todnem, K. (79) 322
- Katsuda, Y., see Inouye, T. (79) 204
- Katz, A., Marks, D.A., McCarthy, G. and Spencer, S.S.
Does interictal spiking change prior to seizures? (79) 153
- Kaufman, J.H., see Kaufman, L. (79) 211
- Kaufman, L., Kaufman, J.H. and Wang, J.-Z.
On cortical folds and neuromagnetic fields (79) 211
- Kerkhofs, M., see Linkowski, P. (79) 114
- King, D.W., see Murro, A.M. (79) 330
- Knight, R.T., see Nielsen-Bohlman, L. (79) 281
- Koenderink, M., see Van Sweden, B. (79) 94
- Kohyama, J. and Iwakawa, Y.
Interrelationships between rapid eye and body movements during sleep: polysomnographic examinations of infants including premature neonates (79) 277
- Koles, Z.J.
The quantitative extraction and topographic mapping of the abnormal components in the clinical EEG (79) 440
- Kömpf, D., see Verleger, R. (79) 488
- Kraaier, V., see Van der Worp, H.B. (79) 335
- Kropotov, J.D. and Etlinger, S.C.
Human depth ERP in a visual threshold recognition task (79) 45
- Kuo, L.-L., see Chu, N.-S. (79) 119
- Larsen, L.H. and Prinz, P.N.
EKG artifacts suppression from the EEG (79) 241
- Lashin, A., see Raeva, S. (79) 133
- Laulumaa, V., see Soininen, H. (79) 342
- Leduc, C.P., see Grand'Maison, F. (79) 264
- Liakopoulos, D., see Evdokimidis, I. (79) 503
- Linkowski, P., Kerkhofs, M., Hauspie, R. and Mendlewicz, J.
Genetic determinants of EEG sleep: a study in twins living apart (79) 114
- Lombardo, M., see Jabbari, B. (79) 108
- Lopes da Silva, F.
Neural mechanisms underlying brain waves: from neural membranes to networks (79) 81
- Lopes da Silva, F.H., see Pijn, J.P. (79) 371
- Lothman, E.W., see Bertram, E.H. (79) 510
- Lugaresi, E., see Sforza, E. (79) 166
- Lukashev, A., see Raeva, S. (79) 133
- Luthringer, R., see Soufflet, L. (79) 393
- Lyness, S.A., see Pollock, V.E. (79) 20
- Macher, J.P., see Soufflet, L. (79) 393
- Mainwaring, N.R., Ives, J.R., Cosgrove, G.R., Blume, H.W. and Schomer, D.L.
High resolution EEG output using a laser printer (79) 73
- Mainwaring, N.R., see Ives, J.R. (79) 69
- Mamelak, A.N., Quattrochi, J.J. and Hobson, J.A.
Automated staging of sleep in cats using neural networks (79) 52
- Mann, G.L., see Ball, W.A. (79) 420
- Marks, D.A., see Katz, A. (79) 153
- Marsh, J.T., see Strandburg, R.J. (79) 291
- Matt, J., see Sommer, W. (79) 457
- Mauguière, F. and Restuccia, D.
Inadequacy of the forehead reference montage for detecting abnormalities of the spinal N13 SEP in cervical cord lesions (79) 448
- McCarthy, G., see Katz, A. (79) 153
- Meador, K., see Murro, A.M. (79) 330
- Mendlewicz, J., see Linkowski, P. (79) 114
- Ménini, C., see Rektor, I. (79) 148
- Minot, R., see Soufflet, L. (79) 393
- Mitchell, M.H., see Jabbari, B. (79) 108
- Montagna, P., see Sforza, E. (79) 166
- Morehead, L., see Salinsky, M.C. (79) 382
- Morrison, A.R., see Ball, W.A. (79) 420
- Murro, A.M., King, D.W., Smith, J.R., Gallagher, B.B., Flanigin, H.F. and Meador, K.
Computerized seizure detection of complex partial seizures (79) 330
- Naquet, R.
Introduction: the first Lord Adrian lecture (79) 79
- Neubauer, U., see Stefan, H. (79) 1
- Neukäter, W., see Verleger, R. (79) 488
- Nielsen-Bohlman, L., Knight, R.T., Woods, D.L. and Woodward, K.
Differential auditory processing continues during sleep (79) 281
- Noest, A., see Pijn, J.P. (79) 371
- Oken, B.S., see Salinsky, M.C. (79) 382
- Örn, H.P., see Byring, R.F. (79) 247
- Pääkkönen, A., see Soikkeli, R. (79) 159
- Pääkkönen, A., see Soininen, H. (79) 342
- Papageorgiou, C., see Evdokimidis, I. (79) 503
- Papanicolaou, A.C., see Rogers, R.L. (79) 308
- Partanen, J., see Soikkeli, R. (79) 159
- Partanen, J., see Soininen, H. (79) 342
- Pawlak, G., see Stefan, H. (79) 1
- Pijn, J.P., Van Neerven, J., Noest, A. and Lopes da Silva, F.H.
Chaos or noise in EEG signals; dependence on state and brain site (79) 371
- Plouin, P., see Esquivel, E. (79) 127
- Pollock, V.E., Schneider, L.S. and Lyness, S.A.
Reliability of topographic quantitative EEG amplitude in healthy late-middle-aged and elderly subjects (79) 20
- Ponsot, G., see Esquivel, E. (79) 127
- Prieto, G.J., Urbá-Holmgren, R. and Holmgren, B.
Sleep and EEG disturbances in a rat neurological mutant (*taiep*) with immobility episodes: a model of narcolepsy-cataplexy (79) 141
- Prinz, P.N., see Larsen, L.H. (79) 241
- Quattrochi, J.J., see Mamelak, A.N. (79) 52
- Rae-Grant, A.D., Barbour, P.J. and Reed, J.
Development of a novel EEG rating scale for head injury using dichotomous variables (79) 349
- Raeva, S., Lukashev, A. and Lashin, A.
Unit activity in human thalamic reticularis nucleus. I. Spontaneous activity (79) 133

- Ray, P.G. and Jackson, W.J.
Lesions of nucleus basalis alter ChAT activity and EEG in rat frontal neocortex (79) 62
- Raz, J., see Biggins, C.A. (79) 413
- Reed, J., see Rae-Grant, A.D. (79) 349
- Reiher, J., see Grand'Maison, F. (79) 264
- Rektor, I., Silva-Barrat, C., Barthuel, P. and Ménini, C.
Drugs influencing the GABAergic neurotransmission have no effect on the non-epileptic myoclonus of baboons (79) 148
- Restuccia, D., see Mauguire, F. (79) 448
- Richer, F., see Achim, A. (79) 227
- Riekkinen, P.J., see Soininen, H. (79) 342
- Riekkinen Sr., P., see Soikkeli, R. (79) 159
- Rif, J., Hari, R., Hämäläinen, M.S. and Sams, M.
Auditory attention affects two different areas in the human supratemporal cortex (79) 464
- Riise, T., see Todnem, K. (79) 322
- Rinck, P., see Todnem, K. (79) 322
- Ritter, W., see Ruchkin, D.S. (79) 473
- Rogers, R.L., Baumann, S.B., Papanicolaou, A.C., Bourbon, T.W., Alagarsamy, S. and Eisenberg, H.M.
Localization of the P3 sources using magnetoencephalography and magnetic resonance imaging (79) 308
- Ross, R.J., see Ball, W.A. (79) 420
- Rothstein, T.L., Thomas, E.M. and Sumi, S.M.
Predicting outcome in hypoxic-ischemic coma. A prospective clinical and electrophysiologic study (79) 101
- Ruchkin, D.S., Johnson, Jr., R., Canoune, H. and Ritter, W.
Event-related potentials during arithmetic and mental rotation (79) 473
- Sainio, K.O., see Byring, R.F. (79) 247
- Saint-Hilaire, J.-M., see Achim, A. (79) 227
- Sakamoto, H., see Inouye, T. (79) 204
- Salinsky, M., see Backonja, M. (79) 192
- Salinsky, M.C., Oken, B.S. and Morehead, L.
Test-retest reliability in EEG frequency analysis (79) 382
- Salmi, T.K., see Byring, R.F. (79) 247
- Sams, M., see Rif, J. (79) 464
- Sande Lemos, M. and Fisch, B.J.
The weighted average reference montage (79) 361
- Sanford, L.D., see Ball, W.A. (79) 420
- Scherg, M., see Berg, P. (79) 36
- Schneider, L.S., see Pollock, V.E. (79) 20
- Schnied., see Stefan, H. (79) 1
- Schomer, D.L., see Ives, J.R. (79) 69
- Schomer, D.L., see Mainwaring, N.R. (79) 73
- Schweinberger, S.R., see Sommer, W. (79) 457
- Sergejew, A.A., see Wright, J.J. (79) 403
- Sforza, E., Montagna, P., Defazio, G. and Lugaresi, E.
Sleep and cranial dystonia (79) 166
- Shackell, B.S., see Horne, J.A. (79) 271
- Sherman, J., see Jabbari, B. (79) 108
- Shinosaki, K., see Inouye, T. (79) 204
- Silva-Barrat, C., see Rektor, I. (79) 148
- Skeidsvoll, H., see Todnem, K. (79) 322
- Smith, J., see Backonja, M. (79) 192
- Smith, J.R., see Murro, A.M. (79) 330
- Soikkeli, R., Partanen, J., Soininen, H., Pääkkönen, A. and Riekkinen Sr., P.
Slowing of EEG in Parkinson's disease (79) 159
- Soininen, H., Partanen, J., Laulumaa, V., Pääkkönen, A., Helkala, E.-L. and Riekkinen, P.J.
Serial EEG in Alzheimer's disease: 3 year follow-up and clinical outcome (79) 342
- Soininen, H., see Soikkeli, R. (79) 159
- Sommer, W., Schweinberger, S.R. and Matt, J.
Human brain potential correlates of face encoding into memory (79) 457
- Soufflet, L., Toussaint, M., Luthringer, R., Gresser, J., Minot, R. and Macher, J.P.
A statistical evaluation of the main interpolation methods applied to 3-dimensional EEG mapping (79) 393
- Spencer, S.S., see Katz, A. (79) 153
- Stefan, H., Schneider, S., Abraham-Fuchs, K., Pawlik, G., Feistel, H., Bauer, J., Neubauer, U., Huk, W.J. and Holthoff, V.
The neocortico to mesio-basal limbic propagation of focal epileptic activity during the spike-wave complex (79) 1
- Strandburg, R.J., Marsh, J.T., Brown, W.S., Asarnow, R.F., Guthrie, D. and Higa, J.
Reduced attention-related negative potentials in schizophrenic children (79) 291
- Sumi, S.M., see Rothstein, T.L. (79) 101
- Sutherling, W.W., see Baumgartner, C. (79) 27
- Svhuis, R., see Todnem, K. (79) 322
- Thayer, J.F., see Friedman, B.H. (79) 358
- Thomas, E.M., see Rothstein, T.L. (79) 101
- Todnem, K., Skeidsvoll, H., Svhuis, R., Rinck, P., Riise, T., Kambestad, B.K. and Aarli, J.A.
Electroencephalography, evoked potentials and MRI brain scans in saturation divers. An epidemiological study (79) 322
- Toi, S., see Inouye, T. (79) 204
- Toussaint, M., see Soufflet, L. (79) 393
- Tseng, T.-S., see Chu, N.-S. (79) 119
- Ukai, S., see Inouye, T. (79) 204
- Urbá-Holmgren, R., see Prieto, G.J. (79) 141
- Van Bel, F., see Van Sweden, B. (79) 94
- Van de Bor, M., see Van Sweden, B. (79) 94
- Van der Werf, S.J., see Van Luijtelaar, E.L.J.M. (79) 430
- Van der Worp, H.B., Kraaijer, V., Wieneke, G.H. and Van Huffelen, A.C.
Quantitative EEG during progressive hypoxia and hypoxia. Hyperventilation-induced EEG changes reconsidered (79) 335
- Van Dijk, J.G., see Van Sweden, B. (79) 94
- Van Huffelen, A.C., see Van der Worp, H.B. (79) 335
- Van Luijtelaar, E.L.J.M., Van der Werf, S.J., Vossen, J.M.H. and Coenen, A.M.L.
Arousal, performance and absence seizures in rats (79) 430
- Van Neerven, J., see Pijn, J.P. (79) 371
- Van Nostrand, D., see Jabbari, B. (79) 108
- Van Sweden, B., Koenderink, M., Windau, G., Van de Bor, M., Van Bel, F., Van Dijk, J.G. and Wauquier, A.
Long-term EEG monitoring in the early premature: developmental and chronobiological aspects (79) 94
- Verleger, R., Neukäter, W., Kömpf, D. and Vieregge, P.
On the reasons for the delay of P3 latency in healthy elderly subjects (79) 488
- Vieregge, P., see Verleger, R. (79) 488
- Vossen, J.M.H., see Van Luijtelaar, E.L.J.M. (79) 430
- Wang, J., see Backonja, M. (79) 192
- Wang, J.-Z., see Kaufman, L. (79) 211
- Wang, L.Y., see Gotman, J. (79) 11
- Wauquier, A., see Van Sweden, B. (79) 94
- Wieneke, G.H., see Van der Worp, H.B. (79) 335
- Windau, G., see Van Sweden, B. (79) 94

- Woldorff, M.G. and Hillyard, S.A.
Modulation of early auditory processing during selective listening
to rapidly presented tones (79) 170
- Woods, D.L., see Nielsen-Bohlman, L. (79) 281
- Woodward, K., see Nielsen-Bohlman, L. (79) 281
- Wright, J.J. and Sergejew, A.A.
- Radial coherence, wave velocity and damping of electrocortical
waves (79) 403
- Wu, C.-L., see Chu, N.-S. (79) 119
- Yen, C.E., see Beydoun, A. (79) 435

Index of Subjects

VOLUME 79, 1991

(Abstracts from Society Proceedings are not included)

Absences

- physical exercise in absence epilepsy, 127
- spike-wave discharges and performance, 430
- voluntary hyperventilation in absence epilepsy, 127

Acetylcholine

- rat EEG and lesions of nucleus basalis, 62

Acupuncture needle as sphenoidal electrode

Age

- EEG reliability in middle-aged and elderly subjects, 20
- P3 latency in healthy elderly subjects, 488

Alpha activity

- EEG in non-REM sleep and fibromyalgia, 271
- neural mechanisms underlying brain waves, 81
- tonic changes in alpha power, 192

Alzheimer's disease and serial EEG

Ambulatory EEG cassette recorder for animals

Arousal

- spike-wave discharges and performance, 430

Artifact elimination

- EKG artifact suppression, 241
- EMG and EEG redundancy, 358

Attention

- auditory attention affects two supratemporal areas, 464
- reduced attention in schizophrenic children, 291
- selective listening modulates early ERPs, 170

Audition

- selective listening modulates early ERPs, 170

Auditory attention affects two supratemporal areas

Auditory evoked responses

- localization of P3 sources using MEG and MRI, 308

Auditory oddball task

- P3 latency in healthy elderly subjects, 488

Auditory processing during sleep

Automated staging of sleep in cats

Automatic detection

- state-dependent spike detection, 11

Autoregressive filter smoothers

- EKG artifact suppression, 241

BAEPs, see Brain-stem auditory evoked potentials

Benzodiazepines

- GABAergic drugs and non-epileptic myoclonus, 148

Beta activity

- neural mechanisms underlying brain waves, 81

Blink reflex

- dipole models of eye movements and blinks, 36

Body movement

- interrelation between phasic sleep events, 277

Book reviews

- 78, 157, 513

Boundary conditions

- radial coherence and wave velocity, 403

BRAC rhythm

- long-term EEG monitoring in the early premature, 94

Brain-stem auditory evoked potentials in saturation divers

- 322

Burst suppression and interburst intervals

- 435

Cardiac arrest

- predicting outcome in hypoxic-ischemic coma, 101

Cassette recording

- ambulatory EEG cassette recorder for animals, 510

Cat

- automated staging of sleep, 52

- PGO waves and orienting, 420

Cellular oscillations

- neural mechanisms underlying brain waves, 81

Cerebral blood flow

- qEEG during hypocarbia and hypoxia, 335

Chaotic attractor

- chaos or noise in EEG signals, 371

- neural mechanisms underlying brain waves, 81

Child

- EEG and spelling disabilities, 247

- interrelation between phasic sleep events, 277

- physical exercise in absence epilepsy, 127

- reduced attention in schizophrenic children, 291

- voluntary hyperventilation in absence epilepsy, 127

Choline acetyltransferase

- rat EEG and lesions of nucleus basalis, 62

Cholinergic system

- GABAergic drugs and non-epileptic myoclonus, 148

Cognitive processes

- ERPs during arithmetic and mental rotation, 473

Coherence analysis

- high coherence with spherical spline SCDs, 413

- neural mechanisms underlying brain waves, 81

- radial coherence and wave velocity, 403

Cold pressor

- tonic changes in alpha power, 192

Coma

- predicting outcome in hypoxic-ischemic coma, 101

Common spatial factors

- topographic mapping of abnormal EEG components, 440

Computerized tomography

- EEG and neuroimaging in partial epilepsy, 108

Correlation dimension

- chaos or noise in EEG signals, 371

Cortical folds and neuromagnetic fields

- 211

Cranial dystonia and sleep

- Current density
 - high coherence with spherical spline SCDs, 413
- Damping
 - radial coherence and wave velocity, 403
- Dementia
 - serial EEG in Alzheimer's disease, 342
 - slowing of EEG in Parkinson's disease, 159
- Depth ERPs in visual recognition task, 45
- Development
 - interrelation between phasic sleep events, 277
- Diagnostic value
 - human depth ERPs in visual recognition task, 45
- Dichotomous variables
 - novel EEG rating scale for head injury, 349
- Dipole
 - cortical folds and neuromagnetic fields, 211
 - dipole models of eye movements and blinks, 36
 - localization of P3 sources using MEG and MRI, 308
 - modelling of cerebral evoked magnetic fields, 27
- Discriminant analysis
 - computerized seizure detection, 330
- Discriminative processing
 - reduced attention in schizophrenic children, 291
- Display hardware
 - circuits for analog display of multichannel EEG, 506
- Diving
 - EEG, EPs and MRI in saturation divers, 322
- Dyslexia and EEG, 247
- Early components, *see* Short latency components
- EEG
 - acupuncture needle as sphenoidal electrode, 119
 - ambulatory EEG cassette recorder for animals, 510
 - and neuroimaging in partial epilepsy, 108
 - and spelling disabilities, 247
 - chaos or noise in EEG signals, 371
 - circuits for analog display of multichannel EEG, 506
 - computerized seizure detection, 330
 - EEG abnormalities in partial status epilepticus, 264
 - EEG disturbances in rat mutant narcolepsy/cataplexy, 141
 - EEG reliability in middle-aged and elderly subjects, 20
 - EEG sleep in twins, 114
 - EKG artifact suppression, 241
 - EMG and EEG redundancy, 358
 - evaluation of spatio-temporal source models, 227
 - high coherence with spherical spline SCDs, 413
 - in saturation divers, 322
 - interpolation methods for 3-D EEG mapping, 393
 - irregularity index of EEG, 204
 - laser printer EEG output, 73
 - long-term EEG monitoring in the early premature, 94
 - multichannel MEG in partial epilepsy, 1
 - neural mechanisms underlying brain waves, 81
 - novel EEG rating scale for head injury, 349
 - physical exercise in absence epilepsy, 127
 - positive temporal sharp waves in neonatal EEG, 256
 - predicting outcome in hypoxic-ischemic coma, 101
 - qEEG during hypocapnia and hypoxia, 335
 - radial coherence and wave velocity, 403
 - rat EEG and lesions of nucleus basalis, 62
 - serial EEG in Alzheimer's disease, 342
 - slowing of EEG in Parkinson's disease, 159
 - state-dependent spike detection, 11
 - statistical evaluation of slow brain potentials, 245
 - test-retest reliability in EEG frequency analysis, 382
 - tonic changes in alpha power, 192
 - topographic mapping of abnormal EEG components, 440
 - voluntary hyperventilation in absence epilepsy, 127
 - weighted average reference montage, 361
 - 128-channel cable-telemetry system, 69
- Elderly
 - EEG reliability in middle-aged and elderly subjects, 20
 - P3 latency in healthy elderly subjects, 488
- EKG artifacts suppression, 241
- Electrophysiological noise
 - evaluation of spatio-temporal source models, 227
- EMG and EEG redundancy, 358
- Encephalopathy
 - interburst intervals in burst suppression, 435
 - positive temporal sharp waves in neonatal EEG, 256
- Endogenous negativities
 - reduced attention in schizophrenic children, 291
- Entropy
 - irregularity index of EEG, 204
- EOG
 - dipole models of eye movements and blinks, 36
- Epilepsy
 - acupuncture needle as sphenoidal electrode, 119
 - ambulatory EEG cassette recorder for animals, 510
 - chaos or noise in EEG signals, 371
 - computerized seizure detection, 330
 - EEG abnormalities in partial status epilepticus, 264
 - EEG and neuroimaging in partial epilepsy, 108
 - interictal spiking in intractable epilepsy, 153
 - laser printer EEG output, 73
 - multichannel MEG in partial epilepsy, 1
 - physical exercise in absence epilepsy, 127
 - spike-wave discharges and performance, 430
 - state-dependent spike detection, 11
 - voluntary hyperventilation in absence epilepsy, 127
 - 128-channel cable-telemetry system, 69
- Event-related desynchronization
 - tonic changes in alpha power, 192
- Event-related potentials
 - ERP correlates of face encoding into memory, 457
 - ERPs during arithmetic and mental rotation, 473
 - human depth ERPs in visual recognition task, 45
 - reduced attention in schizophrenic children, 291
 - selective listening modulates early ERPs, 170
- Evoked potentials
 - auditory, *see* Auditory evoked potentials
 - BAEPs, *see* Brain-stem auditory evoked potentials
 - somatosensory, *see* Somatosensory evoked potentials
 - visual, *see* Visual evoked potentials
- Exercise, *see* Physical exercise
- Eye blink, *see* Blink reflex
- Eye movement
 - cortical potentials preceding self-paced saccades, 503
 - dipole models of eye movements and blinks, 36
 - interrelation between phasic sleep events, 277
- Face encoding into memory and ERP correlates, 457
- Facial muscles
 - EMG and EEG redundancy, 358
- Fibromyalgia and EEG in non-REM sleep, 271
- Field power and cortical folds, 211
- Fixed interval
 - spike-wave discharges and performance, 430
- Follow-up
 - serial EEG in Alzheimer's disease, 342
- Frequency analysis
 - test-retest reliability in EEG frequency analysis, 382

- Frontal cortex
 - rat EEG and lesions of nucleus basalis, 62
- Functional anatomy
 - modelling of cerebral evoked magnetic fields, 27
- Fz reference
 - forehead reference in assessing the spinal N13 SEP, 448
- GABAergic drugs and non-epileptic myoclonus, 148
- Genetics
 - EEG sleep in twins, 114
- Head injury
 - novel EEG rating scale for head injury, 349
- Hyperventilation
 - physical exercise in absence epilepsy, 127
 - qEEG during hypoxia and hypoxia, 335
 - voluntary hyperventilation in absence epilepsy, 127
- Hypoxia
 - qEEG during hypoxia and hypoxia, 335
- Hypoxic-ischemic encephalopathy
 - interburst intervals in burst suppression, 435
 - positive temporal sharp waves in neonatal EEG, 256
 - predicting outcome in hypoxic-ischemic coma, 101
- Imaging
 - interpolation methods for 3-D EEG mapping, 393
- Immobility episodes
 - EEG disturbances in rat mutant narcolepsy/cataplexy, 141
- Information theory
 - irregularity index of EEG, 204
- Interburst intervals in burst suppression, 435
- Interictal spiking in intractable epilepsy, 153
- Intracranial recording
 - 128-channel cable-telemetry system, 69
- Ischemia
 - interburst intervals in burst suppression, 435
 - positive temporal sharp waves in neonatal EEG, 256
 - predicting outcome in hypoxic-ischemic coma, 101
- Kappa activity
 - EEG in non-REM sleep and fibromyalgia, 271
- Laplacian operator
 - weighted average reference montage, 361
- Laser printer EEG output, 73
- Lateral geniculate body
 - PGO waves and orienting, 420
- Learning
 - EEG and spelling disabilities, 247
- Lesions
 - rat EEG and lesions of nucleus basalis, 62
- Linearity
 - radial coherence and wave velocity, 403
- Listening
 - selective listening modulates early ERPs, 170
- Lord Adrian lecture, 79
- Magnetic field
 - modelling of cerebral evoked magnetic fields, 27
- Magnetic resonance imaging
 - EEG, EPs and MRI in saturation divers, 322
 - in partial epilepsy, 108
 - localization of P3 sources using MEG and MRI, 308
 - multichannel MEG in partial epilepsy, 1
- Magnetoencephalogram
 - auditory attention affects two supratemporal areas, 464
 - and cortical folds, 211
- Maturation
 - interrelation between phasic sleep events, 277
 - long-term EEG monitoring in the early premature, 94
- Median nerve
 - modelling of cerebral evoked magnetic fields, 27
 - predicting outcome in hypoxic-ischemic coma, 101
- Memory
 - ERP correlates of face encoding into memory, 457
- Mental work
 - ERPs during arithmetic and mental rotation, 473
- Microelectrode recording in human thalamic reticular nucleus, 133
- Mismatch negativity
 - P3 latency in healthy elderly subjects, 488
- Modelling
 - cortical folds and neuromagnetic fields, 211
 - evaluation of spatio-temporal source models, 227
 - radial coherence and wave velocity, 403
- Monitoring
 - ambulatory EEG cassette recorder for animals, 510
 - circuits for analog display of multichannel EEG, 506
 - laser printer EEG output, 73
 - long-term EEG monitoring in the early premature, 94
 - state-dependent spike detection, 11
 - 128-channel cable-telemetry system, 69
- Monkey
 - GABAergic drugs and non-epileptic myoclonus, 148
- Motor activity
 - sleep and cranial dystonia, 166
- Myoclonus
 - GABAergic drugs and non-epileptic myoclonus, 148
- Narcolepsy/cataplexy
 - EEG disturbances in rat mutant narcolepsy/cataplexy, 141
- Neonates
 - positive temporal sharp waves in neonatal EEG, 256
- Neural network
 - automated staging of sleep in cats, 52
- Neuroimaging localization
 - EEG and neuroimaging in partial epilepsy, 108
 - modelling of cerebral evoked magnetic fields, 27
 - multichannel MEG in partial epilepsy, 1
- Neurotic traits
 - EEG and spelling disabilities, 247
- Normal human subjects
 - auditory attention affects two supratemporal areas, 464
 - cortical potentials preceding self-paced saccades, 503
 - dipole models of eye movements and blinks, 36
 - EEG reliability in middle-aged and elderly subjects, 20
 - EMG and EEG redundancy, 358
 - ERP correlates of face encoding into memory, 457
 - ERPs during arithmetic and mental rotation, 473
 - irregularity index of EEG, 204
 - localization of P3 sources using MEG and MRI, 308
 - modelling of cerebral evoked magnetic fields, 27
 - P3 latency in healthy elderly subjects, 488
 - qEEG during hypoxia and hypoxia, 335
 - selective listening modulates early ERPs, 170
 - tonic changes in alpha power, 192
- Nucleus basalis lesions and rat EEG, 62
- N100
 - auditory attention affects two supratemporal areas, 464
- N13
 - forehead reference in assessing the spinal N13 SEP, 448

- Orienting and PGO waves, 420
- Outcome
 - novel EEG rating scale for head injury, 349
 - predicting outcome in hypoxic-ischemic coma, 101
 - serial EEG in Alzheimer's disease, 342
- Pain
 - EEG in non-REM sleep and fibromyalgia, 271
 - forehead reference in assessing the spinal N13 SEP, 448
 - tonic changes in alpha power, 192
- Pallidum
 - human depth ERPs in visual recognition task, 45
- Papio papio*
 - GABAergic drugs and non-epileptic myoclonus, 148
- Parkinson's disease
 - human depth ERPs in visual recognition task, 45
 - slowing of EEG in Parkinson's disease, 159
 - unit activity in human thalamic reticular nucleus, 133
- Pentobarbital
 - interburst intervals in burst suppression, 435
- Perceptual processes
 - selective listening modulates early ERPs, 170
- Performance and spike-wave discharges, 430
- Periodic lateralized discharges
 - EEG abnormalities in partial status epilepticus, 264
- Ponto-geniculo-occipital waves and orienting, 420
- Physical exercise in absence epilepsy, 127
- Positive temporal sharp waves in neonatal EEG, 256
- Premature
 - interrelation between phasic sleep events, 277
 - long-term EEG monitoring in the early premature, 94
- Preparation to movement
 - cortical potentials preceding self-paced saccades, 503
- Presurgical evaluation
 - multichannel MEG in partial epilepsy, 1
- Principal component analysis
 - topographic mapping of abnormal EEG components, 440
- P3
 - latency in healthy elderly subjects, 488
 - localization using MEG and MRI, 308
- Quantitative EEG
 - and spelling disabilities, 247
 - during hypocarbia and hypoxia, 335
 - EEG reliability in middle-aged and elderly subjects, 20
 - topographic mapping of abnormal EEG components, 440
- Random noise in EEG signals, 371
- Rapid eye movements, *see* Eye movement
- Rat
 - ambulatory EEG cassette recorder for animals, 510
 - EEG and lesions of nucleus basalis, 62
 - EEG disturbances in rat mutant narcolepsy/cataplexy, 141
- Rating scale
 - novel EEG rating scale for head injury, 349
- Recording equipment
 - circuits for analog display of multichannel EEG, 506
- Recruiting activity
 - EEG disturbances in rat mutant narcolepsy/cataplexy, 141
- Redundancy analysis
 - EMG and EEG redundancy, 358
- Reference electrode
 - forehead reference in assessing the spinal N13 SEP, 448
- Reference montage
 - weighted average reference montage, 361
- Reticular system
 - unit activity in human thalamic reticular nucleus, 133
- Rhythmic activity
 - neural mechanisms underlying brain waves, 81
- Saccade
 - cortical potentials preceding self-paced saccades, 503
- Saturation diving, 322
- Schizophrenic children and reduced attention, 291
- Seizure
 - ambulatory EEG cassette recorder for animals, 510
 - computerized seizure detection, 330
 - EEG abnormalities in partial status epilepticus, 264
 - interictal spiking in intractable epilepsy, 153
- Selective attention, *see* Attention
- Sensorimotor cortex
 - modelling of cerebral evoked magnetic fields, 27
- Short latency components
 - selective listening modulates early ERPs, 170
- Single photon emission tomography
 - EEG and neuroimaging in partial epilepsy, 108
- Sleep
 - and cranial dystonia, 166
 - auditory processing during sleep, 281
 - automated staging of sleep in cats, 52
 - EEG disturbances in rat mutant narcolepsy/cataplexy, 141
 - EEG in non-REM sleep and fibromyalgia, 271
 - EEG sleep in twins, 114
 - interrelation between phasic sleep events, 277
 - PGO waves and orienting, 420
- Slow brain potentials
 - ERPs during arithmetic and mental rotation, 473
 - slowing of EEG in Parkinson's disease, 159
 - statistical evaluation of slow brain potentials, 245
- Society proceedings
 - American, Chicago, September 1990, 1P
 - American, Houston, September 1990, 23P
 - American, New York, November 1990, 64P
 - American, Portland, February 1991, 58P
 - American, Sainte Adele (Que.), March 1991, 72P
 - American, Captiva Island, 67P
 - Belgian, Brussels, March 1990, 52P
 - Dutch, Utrecht, October 1990, 48P
 - Dutch, Utrecht, December 1990, 50P
 - Dutch, Utrecht, March 1991, 71P
 - English, London, February 1991, 56P
 - XIIth Int. Congr., Rio de Janeiro, January 1990, S1
 - Swedish, Stockholm, December 1990, 62P
- Somatosensory evoked field
 - modelling of cerebral evoked magnetic fields, 27
- Somatosensory evoked potentials
 - forehead reference in assessing the spinal N13 SEP, 448
 - predicting outcome in hypoxic-ischemic coma, 101
- Source derivation
 - weighted average reference montage, 361
- Source localization
 - evaluation of spatio-temporal source models, 227
 - multichannel MEG in partial epilepsy, 1
- Spatial distribution, *see* Topographic mapping
- Spatial filtering
 - topographic mapping of abnormal EEG components, 440
- Spatio-temporal analysis
 - dipole models of eye movements and blinks, 36
 - evaluation of spatio-temporal source models, 227
 - modelling of cerebral evoked magnetic fields, 27

- Spectral analysis**
- EEG in non-REM sleep and fibromyalgia, 271
- Spelling disability, *see* Dyslexia**
- Sphenoidal electrode**
- acupuncture needle as sphenoidal electrode, 119
- Spherical splines**
- high coherence with spherical spline SCDs, 413
- Spike detection**
- state-dependent spike detection, 11
- Spike-wave discharges and performance, 430**
- Spiking**
- interictal spiking in intractable epilepsy, 153
- Spinal cord**
- forehead reference in assessing the spinal N13 SEP, 448
- Spindles**
- neural mechanisms underlying brain waves, 81
- State-dependent spike detection, 11**
- Status epilepticus**
- EEG abnormalities in partial status epilepticus, 264
 - interburst intervals in burst suppression, 435
- Synchronization**
- cortical folds and neuromagnetic fields, 211
- Syringomyelia**
- forehead reference in assessing the spinal N13 SEP, 448
- Telemetry**
- 128-channel cable-telemetry system, 69
- Temperature sensitivity**
- forehead reference in assessing the spinal N13 SEP, 448
- Temporal lobe**
- computerized seizure detection, 330
- Test-retest reliability in EEG frequency analysis, 382**
- Thalamus**
- human depth ERPs in visual recognition task, 45
 - neural mechanisms underlying brain waves, 81
 - unit activity in human thalamic reticular nucleus, 133
- Three-dimensional interpolation**
- interpolation methods for 3-D EEG mapping, 393
- Three-dimensional neuroimaging**
- modelling of cerebral evoked magnetic fields, 27
 - multichannel MEG in partial epilepsy, 1
- Threshold recognition**
- human depth ERPs in visual recognition task, 45
- Tonic changes in alpha power, 192**
- Topographic mapping**
- high coherence with spherical spline SCDs, 413
 - interpolation methods for 3-D EEG mapping, 393
 - of abnormal EEG components, 440
- Twins**
- EEG sleep in twins, 114
- Unit activity in human thalamic reticular nucleus, 133**
- Visual cortex**
- cortical folds and neuromagnetic fields, 211
- Visual discrimination**
- reduced attention in schizophrenic children, 291
- Visual evoked potentials in saturation divers, 322**
- Visual push-wait task**
- P3 latency in healthy elderly subjects, 488
- Voluntary hyperventilation in absence epilepsy, 127**
- Wave velocity**
- radial coherence and wave velocity, 403
- Weighted average reference montage, 361**